MISCELLANEOUS TANK SUMMARY

TANK		FRAME	CAPACITIES GALLONS (100%)	CAPACITIES GALLONS (98%)	CENTERS @ (98%) V.C.G. FT.A.KL.	L.C.G. FT.-F.P.	T.C.G. FT.-CL.	FREE SURF MAXIMUM FT.-LT.
CSA WASTE OIL TANK	8-87-2	86-89	9067	8886	4.23	647.31	19.54	18.0
CSA OILY WASTE HOLDING TANK	8-87-4	87-88	2073	2031	5.03	647.36	35.61	2.6
E.R. WASTE OIL TANK	8-94-2	94-97	8199	8035	8.77	714.88	4.04	23.2
E.R. OILY WASTE HOLDING TK.	8-93-2	93-94	2418	2369	7.14	700.33	4.04	7.0
O.W. DRAIN COLL. TK. PORT	8-86-2	86-87	627	615	5.97	636.26	3.00	1.9
USED OIL TANK	8-93-3	93-96	26453	25917	8.47	709.13	-21.09	1041.8
F.O. OVERFLOW TANK	8-93-1	93-96	8209	8045	8.03	708.11	-4.04	23.2
STERN TUBE L.O. DRAIN TK. P	7.5-97-2	97-98	103	101	11.23	734.13	17.58	0.3
STERN TUBE L.O. DRAIN TK. S	7.5-97-1	97-98	103	101	11.23	734.13	-17.58	0.3
VCHT TANK	2.5-91-2	91-92	2352	2305	67.26	681.01	45.17	5.5
WASTE WATER TANK	2.5-94-2	94-95	11707	11473	70.33	708.05	44.25	10.9
TOTAL			71311	69878	21.82	698.27	6.19	1134.7

LUBE OIL TANK SUMMARY

TANK		FRAME	CAPACITIES GALLONS (100%)	CAPACITIES GALLONS (98%)	CENTERS @ (98%) V.C.G. FT.A.KL.	L.C.G. FT.-F.P.	T.C.G. FT.-CL.	FREE SURF MAXIMUM FT.-LT.
ME/SSDG L.O. STORAGE TK. PORT	6.5-91-2	91-93	15237	14933	27.76	685.72	48.40	33.2
ME/SSDG L.O. STORAGE TK. STBD	6.5-90-1	90-94	27389	26852	27.77	685.63	-48.39	59.9
ME/SSDG L.O. SETTLING TK. PORT	6.5-93-2	93-94	5990	5870	27.81	701.49	48.33	13.3
CPP L.O. STORAGE TK. PORT	5-93-2	93-94	2765	2710	38.83	701.50	51.12	0.9
CPP L.O. SETTLING TK. STBD	5-95-3	94-95	587	575	35.52	710.50	-16.00	0.5
RG L.O. STORAGE TK. PORT	5-92-2	92-93	2776	2721	38.83	692.50	51.12	0.9
RG L.O. SETTLING TK. STBD	5-95-5	94-95	1408	1380	36.99	710.50	-21.00	1.8
M.E. L.O. SUMP TK. STBD	7.5-86-1	86-89	5664	5551	8.14	643.36	-11.00	11.9
M.E. L.O. SUMP TK. PORT	7.5-86-2	86-89	5664	5551	8.14	643.36	11.00	11.9
M.E. L.O. SUMP TK. STBD	7.5-86-3	86-89	5659	5546	8.14	643.36	-28.17	11.9
M.E. L.O. SUMP TK. PORT	7.5-86-4	86-89	5659	5546	8.14	643.36	28.17	11.9
TOTAL			78798	77235	23.13	676.13	-0.69	158.1

FRESH WATER TANK SUMMARY

TANK		FRAME	CAPACITIES (100%) GALLONS	LT.FW. 36 CUFT/TON	CENTERS @ (100%) V.C.G. FT.A.KL.	L.C.G. FT.-F.P.	T.C.G. FT.-CL.	FREE SURF MAXIMUM FT.-LT.
POTABLE WATER TK. NO. 1 STBD	5-95-7	94-99	12706	47.18	38.90	729.75	-44.26	4.1
POTABLE WATER TK. NO. 2 STBD	5-95-9	94-99	15827	58.77	38.94	729.07	-48.18	8.1
RESERVE FEED WATER TANK	5-91-1	91-92	2433	9.03	35.91	683.50	-47.21	5.5
DISTILLED WATER TANK	4.5-91-1	91-92	2433	9.03	41.98	683.50	-47.21	5.5
TOTAL			33399	124.01	38.93	722.69	-46.54	23.2

LIST CONTROL TANK SUMMARY

TANK		FRAME	CAPACITY GALLONS (100%)	LT.SW. 35 CUFT/TON	CENTERS @ (100%) V.C.G. FT.A.KL.	L.C.G. FT.-F.P.	T.C.G. FT.-CL.	FREE SURF MAXIMUM FT.-LT.
LIST CONTROL TANK PORT	6-64-2	64-71	42076	160.71	23.48	467.50	49.46	48.7
LIST CONTROL TANK STBD	6-64-1	64-71	42076	160.71	23.48	467.50	-49.46	48.7
TOTAL			84152	321.42	23.48	467.50	0.00	97.4

FIXED BALLAST TANK SUMMARY @ (265.64#/FT³)

TANK		FRAME	CAPACITY CU.FT. (100%)	WEIGHT L.TONS	CENTERS @ (100%) V.C.G. FT.A.KL.	L.C.G. FT.-F.P.	T.C.G. FT.-CL.	FREE SURF MAXIMUM FT.-LT.
FIXED BALLAST TANK	8-57-0	57-64	21673	2568.60	3.45	404.50	0.0	0.0
TOTAL			21673	2568.60	3.45	404.50	0.0	0.0

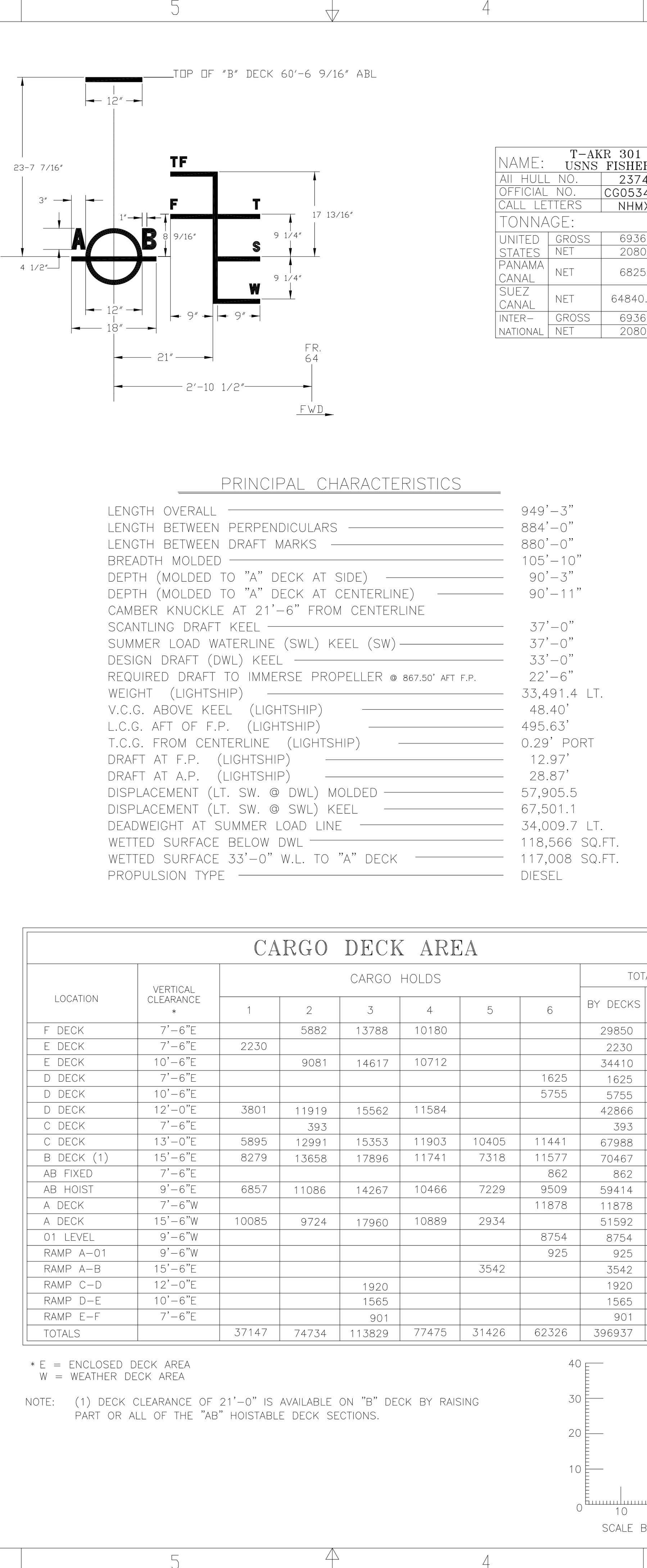
NOTE: INSTALLED VOLUME = 21659.2 FT³

FUEL OIL TANK SUMMARY

TANK		FRAME	CAPACITIES GALLONS (100%)	CAPACITIES GALLONS (98%)	CENTERS @ (98%) V.C.G. FT.A.KL.	L.C.G. FT.-F.P.	T.C.G. FT.-CL.	FREE SURF MAXIMUM FT.-LT.
FUEL OIL TK. NO. 1 PORT	8-29-2	29-33	66501	65173	9.95	139.78	8.43	757.3
FUEL OIL TK. NO. 1 STBD	8-29-1	29-33	66501	65173	9.95	139.78	-8.43	757.3
FUEL OIL TK. NO. 2A PORT	8-33-2	33-38	30620	30007	3.96	180.92	7.52	679.7
FUEL OIL TK. NO. 2A STBD	8-33-1	33-38	30620	30007	3.96	180.92	-7.52	679.7
FUEL OIL TK. NO. 2B PORT	8-38-2	38-44	48679	47705	3.65	230.86	9.48	915.9
FUEL OIL TK. NO. 2B STBD	8-38-1	38-44	48679	47705	3.65	230.86	-9.48	915.9
FUEL OIL TK. NO. 2C PORT	8-44-2	44-50	60550	59337	3.46	284.21	11.45	1349.7
FUEL OIL TK. NO. 2C STBD	8-44-1	44-50	60550	59337	3.46	284.21	-11.45	1349.7
FUEL OIL TK. NO. 3A PORT	8-50-2	50-57	80829	79212	3.39	341.56	12.97	2136.6
FUEL OIL TK. NO. 3A STBD	8-50-1	50-57	80829	79212	3.39	341.56	-12.97	2136.6
FUEL OIL TK. NO. 3C PORT	8-64-2	64-71	81063	79442	3.38	467.50	13.00	2136.6
FUEL OIL TK. NO. 3C STBD	8-64-1	64-71	81063	79442	3.38	467.50	-13.00	2136.6
FUEL OIL TK. NO. 4A PORT	8-71-2	71-78	81063	79442	3.38	530.50	13.00	2136.6
FUEL OIL TK. NO. 4A STBD	8-71-1	71-78	81063	79442	3.38	530.50	-13.00	2136.6
FUEL OIL TK. NO. 4B PORT	8-78-2	78-85	80921	79303	3.38	593.45	12.98	2126.2
FUEL OIL TK. NO. 4B STBD	8-78-1	78-85	80921	79303	3.38	593.45	-12.98	2126.2
FUEL OIL TK. NO. 6A PORT	8-99-2	99-103	75747	74232	23.02	771.74	16.07	705.8
FUEL OIL TK. NO. 6A STBD	8-99-1	99-103	75747	74232	23.02	771.74	-16.07	705.8
FUEL OIL TK. NO. 6B PORT	8-103-2	103-106	65123	63821	25.04	799.72	12.60	915.7
FUEL OIL TK. NO. 6B STBD	8-103-1	103-106	65123	63821	25.04	799.72	-12.60	915.7
FUEL OIL TK. NO. 6C PORT	8-106-2	106-109	57393	56245	27.61	825.97	17.25	4225.2
FUEL OIL TK. NO. 6C STBD	8-106-1	106-109	57393	56245	27.61	825.97	-17.25	4225.2
SSDG F.O. SERVICE TK STBD	6.5-99-1	99-101	12010	11770	28.26	760.00	-7.00	95.3
FUEL OIL SETTLING TANK	8-99-0	99-102	76446	74917	20.76	762.17	1.03	953.2
F.O. SERVICE TK PORT	6.5-85-2	85-90	30837	30221	27.72	647.49	48.45	61.4
F.O. SERVICE TK STBD	6.5-85-1	85-90	27764	27209	27.72	645.25	-48.45	55.3
E.G. F.O. SERVICE TANK	02-103-1	102-103	2566	2515	120.49	785.12	-8.00	5.2
TOTAL			1606601	1574470	11.40	512.14	0.08	37341.0

BALLAST TANK SUMMARY

TANK		FRAME	CAPACITIES (100%) GALLONS	LT.SW. 35 CUFT/TON	CENTERS @ (100%) V.C.G. FT.A.KL.	L.C.G. FT.-F.P.	T.C.G. FT.-CL.	FREE SURF MAXIMUM FT.-LT.
FOREPEAK BALLAST	8-K-0	STEM-20	326785	1248.13	36.98	18.54	0.00	9415.0
FWD SW BALLAST TANK	8-20-0	20-29	134879	515.16	9.55	95.19	-0.02	3338.7
NO. 1 WING BALLAST TK. P	6-24-2	24-33	52493	200.49	24.68	120.74	19.24	718.4
NO. 1 WING BALLAST TK. S	6-24-1	24-33	54265	207.26	24.49	120.19	-19.12	719.5
NO. 2A WING BALLAST TK. P	7-33-2	33-38	74305	283.80	18.85	180.34	24.95	515.4
NO. 2A WING BALLAST TK. S	7-33-1	33-38	74749	285.50	18.75	180.32	-24.88	533.5
NO. 2B WING BALLAST TK. P	8-38-4	38-44	108367	413.90	17.62	228.83	31.90	887.6
NO. 2B WING BALLAST TK. S	8-38-3	38-44	108367	413.90	17.62	228.83	-31.90	887.6
NO. 2C WING BALLAST TK. P	8-44-4	44-50	103007	393.43	15.61	283.22	37.61	802.7
NO. 2C WING BALLAST TK. S	8-44-3	44-50	102877	392.93	15.58	282.90	-37.63	764.8
NO. 3A WING BALLAST TK. P	8-50-4	50-57	124786	476.61	13.78	341.87	41.46	816.0
NO. 3A WING BALLAST TK. S	8-50-3	50-57	122339	467.26	13.57	341.65	-41.41	816.0
NO. 3B WING BALLAST TK. P	8-57-2	57-64	121702	464.83	11.13	403.27	42.28	1786.4
NO. 3B WING BALLAST TK. S	8-57-1	57-64	127398	486.59	11.27	404.93	-42.61	1786.4
NO. 3C WING BALLAST TK. P	8-64-4	64-71	103286	394.50	6.44	469.27	40.92	2414.6
NO. 3C WING BALLAST TK. S	8-64-3	64-71	108876	415.85	6.73	467.80	-41.29	2414.6
NO. 4A WING BALLAST TK. P	8-71-4	71-78	143013	546.23	11.15	530.14	43.28	2350.3
NO. 4A WING BALLAST TK. S	8-71-3	71-78	144204	550.78	11.15	530.12	-43.33	2350.3
NO. 4B WING BALLAST TK. P	8-78-4	78-85	137277	524.32	11.83	593.94	42.85	1839.0
NO. 4B WING BALLAST TK. S	8-78-3	78-85	138709	529.79	11.87	594.35	-42.90	1839.0
NO. 6A WING BALLAST TK. P	8-99-4	99-103	79092	302.09	24.73	767.41	36.11	1330.7
NO. 6A WING BALLAST TK. S	8-99-3	99-103	79092	302.09	24.73	767.41	-36.11	1330.7
NO. 6B WING BALLAST TK. P	8-103-4	103-106	33054	126.25	27.07	799.08	34.53	682.5
NO. 6B WING BALLAST TK. S	8-103-3	103-106	33054	126.25	27.07	799.08	-34.53	682.5
NO. 6D SW BALLAST TK. P	8-109-2	109-113	36960	141.16	30.62	857.13	12.12	1714.8
NO. 6D SW BALLAST TK. S	8-109-1	109-113	36960	141.16	30.62	857.13	-12.12	1714.8
AFT PEAK BALLAST TK. P	8-113-2	113-117	92901	354.83	39.83	893.02	19.17	6929.8
AFT PEAK BALLAST TK. S	8-113-1	113-117	92901	354.83	39.83	893.02	-19.17	6929.8
TOTAL			2895698	11059.92	19.07	404.32	-0.21	58311.4



NAME:	T-AKR 301 USNS FISHER
All HULL NO.	2374
OFFICIAL NO.	CG053433
CALL LETTERS	NHMX

TONNAGE:		
UNITED STATES	GROSS	69365
	NET	20809
PANAMA CANAL	NET	68252
SUEZ CANAL	NET	64840.64
INTER-NATIONAL	GROSS	69365
	NET	20809

PRINCIPAL CHARACTERISTICS

LENGTH OVERALL	949'-3"
LENGTH BETWEEN PERPENDICULARS	884'-0"
LENGTH BETWEEN DRAFT MARKS	880'-0"
BREADTH MOLDED	105'-10"
DEPTH (MOLDED TO "A" DECK AT SIDE)	90'-3"
DEPTH (MOLDED TO "A" DECK AT CENTERLINE)	90'-11"
CAMBER KNUCKLE AT 21'-6" FROM CENTERLINE	
SCANTLING DRAFT KEEL	37'-0"
SUMMER LOAD WATERLINE (SWL) KEEL (SW)	37'-0"
DESIGN DRAFT (DWL) KEEL	33'-0"
REQUIRED DRAFT TO IMMERSE PROPELLER @ 867.50' AFT F.P.	22'-6"
WEIGHT (LIGHTSHIP)	33,491.4 LT.
V.C.G. ABOVE KEEL (LIGHTSHIP)	48.40'
L.C.G. AFT OF F.P. (LIGHTSHIP)	495.63'
T.C.G. FROM CENTERLINE (LIGHTSHIP)	0.29' PORT
DRAFT AT F.P. (LIGHTSHIP)	12.97'
DRAFT AT A.P. (LIGHTSHIP)	28.87'
DISPLACEMENT (LT. SW. @ DWL) MOLDED	57,905.5
DISPLACEMENT (LT. SW. @ SWL) KEEL	67,501.1
DEADWEIGHT AT SUMMER LOAD LINE	34,009.7 LT.
WETTED SURFACE BELOW DWL	118,566 SQ.FT.
WETTED SURFACE 33'-0" W.L. TO "A" DECK	117,008 SQ.FT.
PROPULSION TYPE	DIESEL

CARGO DECK AREA

LOCATION	VERTICAL CLEARANCE *	CARGO HOLDS 1	2	3	4	5	6	TOTALS BY DECKS	BY VERTICAL CLEARANCE
F DECK	7'-6"E		5882	13788	10180			29850	47739
E DECK	7'-6"E	2230						2230	
E DECK	10'-6"E		9081	14617	10712			34410	41730
D DECK	7'-6"E						1625	1625	
D DECK	10'-6"E						5755	5755	
D DECK	12'-0"E	3801	11919	15562	11584			42866	44786
C DECK	7'-6"E		393					393	
C DECK	13'-0"E	5895	12991	15353	11903	10405	11441	67988	67988
B DECK (1)	15'-6"E	8279	13658	17896	11741	7318	11577	70467	125601
AB FIXED	7'-6"E						862	862	
AB HOIST	9'-6"E	6857	11086	14267	10466	7229	9509	59414	69093
A DECK	7'-6"W						11878	11878	
A DECK	15'-6"W	10085	9724	17960	10889	2934		51592	
01 LEVEL	9'-6"W						8754	8754	
RAMP A-01	9'-6"W						925	925	
RAMP A-B	15'-6"E					3542		3542	
RAMP C-D	12'-0"E			1920				1920	
RAMP D-E	10'-6"E			1565				1565	
RAMP E-F	7'-6"E			901				901	
TOTALS		37147	74734	113829	77475	31426	62326	396937	396937

* E = ENCLOSED DECK AREA
W = WEATHER DECK AREA

NOTE: (1) DECK CLEARANCE OF 21'-0" IS AVAILABLE ON "B" DECK BY RAISING PART OR ALL OF THE "AB" HOISTABLE DECK SECTIONS.

SCALE BAR (FEET) 0 10 20 30 40

REVISIONS

REV	SH ZN	DESCRIPTION

REVISIONS

REV	SH ZN	DESCRIPTION

DRAWING DISTRIBUTION

REV	ISSUE TYPE	DATE OF ISSUE

REFERENCES

REV	NO	TITLE	DRAWING NO
	10.	STABILITY TEST DATA (T-AKR 301 ONLY)	29-01-142 097-6975819
	9.	CURVES OF FORM	29-01-04 801-6975305
	8.	TANK CAPACITY CURVES (T-AKR 301 ONLY)	29-01-022 085-6975805
	7.	USABLE CARGO STOWAGE AREA	30-01-51 085-6975251
	6.	GENERAL ARRANGEMENTS 'E' DECK, 'F' DECK AND INNERBOTTOM	01-03-06 802-6976056
	5.	GENERAL ARRANGEMENTS 'C' DECK AND 'D' DECK	01-03-05 802-6976055
	4.	GENERAL ARRANGEMENTS 'AB' DECK AND 'B' DECK	01-03-04 802-6976054
	3.	GENERAL ARRANGEMENTS 01,02,03,04,05,HOUSE TOP LVLS. AND 'A' DECK	01-03-03 802-6976053
	2.	GENERAL ARRANGEMENTS INBOARD PROFILE	01-03-02 802-6976052
	1.	SPECIFICATIONS FOR CONSTRUCTION OF A STRATEGIC SEALIFT SHIP	

NO | DESCRIPTION
RESERVATIONS
UNIT: | CDRL: B029
DISTRIBUTION STATEMENT
APPROVED FOR PUBLIC RELEASE, DISTRIBUTION IS UNLIMITED.
THIS DWG INCORPORATES THE FOLLOWING CHANGE ORDERS
HMR | HMR | HMR | FMR | FMR | FMR

2374 | T-AKR 301
AVONDALE NO | VESSEL | AVONDALE NO | VESSEL

Avondale Shipyards Division
P O BOX 50280
NEW ORLEANS LA 70150-0280
CAGE 1CC97

AVONDALE JOB NO **C3-222**

COMMANDER MILITARY SEALIFT COMMAND
WASHINGTON, D.C. 20398-5100


T-AKR 300 STRATEGIC SEALIFT SHIP

CAPACITY PLAN
(T-AKR 301 ONLY)

CONTRACT NUMBER N00024-93-C-2205
DRAWN A.R. DATE 5/27/99
CHECKED
APVD
APVD


SIZE H | AVONDALE DWG NO C3-222 29-01-012 | REV -
CAGE 94421 | DWG NO COMSC 801-6975733
SCALE 1/16" = 1'-0" | SH NO 1 OF 5

CAGE 94421 | COMSC DWG NO 801-6975733 | SH 1 | REV -
CAGE 94421 | COMSC DWG NO 801-6975733 | AVONDALE DWG NO C3-222 29-01-012 | REV -




SIZE H	AVONDALE DWG NO C3-222 29-01-012		REV -
	CAGE 94421	DWG NO COMSC 801-6975733	
SCALE 1/16"=1'-0"		SH NO 2 OF 5	

CAGE 94421 | COMSC DWG NO 801-6975733 | SH 2 | REV -



CAGE	COMSC DWG NO	SH	REV
94421	801-6975733	3	-

SIZE	AVONDALE DWG NO		REV
H	C3-222 29-01-012		-
CAGE 94421	DWG NO COMSC 801-6975733		
SCALE 1/16"=1'-0"	SH NO 3 OF 5		



SIZE	AVONDALE DWG NO C3-222 29-01-012	REV -
H	CAGE 94421 / DWG NO COMSC 801-6975733	
SCALE 1/16"=1'-0"	SH NO 4 OF 5	

CAGE 94421	COMSC DWG NO 801-6975733	SH 5	REV -

SIZE H	AVONDALE DWG NO C3-222 29-01-012		REV -
	CAGE 94421	DWG NO COMSC 801-6975733	
SCALE 1/16"=1'-0"		SH NO 5 OF 5	

CAGE 94421 | COMSC DWG NO 801-6975733 | AVONDALE DWG NO C3-222 29-01-012 | REV -

CAGE 94421 COMSC DWG NO 801-6975733 AVONDALE DWG NO C3-222 29-01-012 REV - SHT. 5 OF 5